

Unlike legacy Secure Web Gateways, iboss' stream-based architecture detects malware leveraging evasive protocols like TOR, while continuously monitoring the perimeter for inbound and outbound threats to prevent data loss from infections



Consider this data theft attempt on your network:

# Unknown, unclassified malware targets your network



## Your Organization

The malware evades your firewall, and attempts to infiltrate your network.



## Your perimeter defenses fail to stop it



## Anti Virus Scan

Malware is inspected by your AV scan but it doesn't match any known signatures for malware.  
The malware is sent to your sandbox.

**AV SCAN FAILED |**



## Behavioral Sandboxing

Malware is executed within the sandbox to analyze its behavior. Your sandbox doesn't recognize the behavior as malicious so the malware is passed through to your network.

**BEHAVIORAL ANALYSIS FAILED |**



Malware begins hijacking your data to non-malicious, US-based location



Your DLP doesn't detect it



## Data Loss Prevention

Infected data is transmitted to an innocent US location, so it isn't flagged.

**DLP FAILED |**



With iboss, all network traffic is monitored for anomalies



## Network Anomaly Detection

Network Anomaly Sensors detect an unauthorized data transfer in real-time.

**NETWORK ANOMALY DETECTED |**



iboss instantly notifies staff about network anomalies



## Instant Notification

Your staff is alerted and the data is automatically contained.

**SUCCESS - MALWARE INFECTION DETECTED |**



iboss identifies infections faster to prevent data loss





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## What people are saying about us...

**Forbes**

"Essentially, iboss has built a "better mousetrap" for anomaly detection and auto-containment. iboss looks for suspicious behavior on the network. If it finds signs of a hacker, it snaps like a mousetrap – catching the hacker in the act before they can do further damage."

**Deloitte.**

"The companies ranked on the Deloitte Technology Fast 500 continue to set the bar for their industry higher each year. There are so many exciting products and smart thought leaders driving this list. We congratulate the Fast 500 companies and look forward to seeing them continue their momentum."

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"iboss was recognized for its patented technology that automatically contains malicious data transfers before hackers can steal large amounts of sensitive information. iboss monitors networks for suspicious data transfers, alerts IT and automatically contains the data, minimizing the loss when malware inevitably makes its way in."

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"The FireSphere Threat Isolator is integrated with HP's SDN application. The application extends defense capabilities to detect malware once inside the network, and contains the outbreak immediately and automatically."

## Customers who trust iboss



U.S. DEPARTMENT  
OF THE INTERIOR





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New Forrester Wave Compares Top Eight SaaS Web Content Security Vendors

Roundtable Discussion with Paul Martini, Joe Greene, and Joan Pepin

[//www.iboss.com/the-role-of-effective-detection-in-monitoring-business-risk-part-2-0/](#)

See iboss in 2015 Gartner Magic Quadrant for Secure Web Gateways

[//www.iboss.com/gartner-magic-quadrant-for-secure-web-gateways/](#)

Video: Closing the gap between Malware Infection & Detection

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